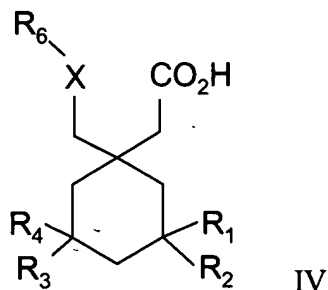


IN THE CLAIMS:

1.(Currently Amended) A compound of Formula IV



*A*  
R<sub>1</sub>-R<sub>4</sub> are hydrogen or alkyl;

X is NR<sub>5</sub> or O;

R<sub>5</sub> is hydrogen or alkyl,

R<sub>6</sub> is hydrogen, alkyl, benzyl, alkanoyl, alkoxyalkanoyl, arylalkyl, alkoxy, cycloalkyl, allyl, alkylcycloalkyl, alkoxy, cycloalkyl, alkylcycloalkyl, trisubstituted halogenalkyl,

and wherein R<sub>1</sub>-R<sub>4</sub> are each hydrogen the R<sub>6</sub> is not hydrogen or methyl; or a

pharmaceutically acceptable salt, ester, prodrug, or amide thereof, with the proviso that X-R<sub>6</sub> may not be NH<sub>2</sub>.

2.(Original) A compound according to Claim 1 wherein R<sub>2</sub> and R<sub>4</sub> are hydrogen and R<sub>1</sub> and R<sub>3</sub> are alkyl; R<sub>2</sub> and R<sub>4</sub> are hydrogen and R<sub>1</sub> and R<sub>3</sub> are methyl; R<sub>1</sub>-R<sub>4</sub> are hydrogen; R<sub>1</sub> is alkyl and R<sub>2</sub>-R<sub>4</sub> are hydrogen; R<sub>1</sub> is methyl and R<sub>2</sub>-R<sub>4</sub> are hydrogen; R<sub>5</sub> is hydrogen; X is NR<sub>6</sub>; X is O; R<sub>6</sub> is alkyl; R<sub>6</sub> is benzyl; R<sub>6</sub> is acetyl; R<sub>6</sub> is phenylalkyl; R<sub>6</sub> is cycloalkyl; R<sub>6</sub> is trifluoroalkyl; R<sub>6</sub> is alkylcycloalkyl; R<sub>6</sub> is alkoxy; and R<sub>6</sub> is allyl.

3.(Original) A compound according to Claim 1 wherein R<sub>2</sub> and R<sub>4</sub> are hydrogen and R<sub>1</sub> and R<sub>3</sub> are methyl; R<sub>1</sub>-R<sub>4</sub> are hydrogen; R<sub>1</sub> is methyl and R<sub>2</sub>-R<sub>4</sub> are hydrogen; R<sub>5</sub> is hydrogen; X is NR<sub>6</sub>; R<sub>6</sub> is alkyl; R<sub>6</sub> is benzyl; R<sub>6</sub> is acetyl; R<sub>6</sub> is phenylalkyl; R<sub>6</sub> is cycloalkyl; R<sub>6</sub> is trifluoroalkyl; R<sub>6</sub> is alkylcycloalkyl; R<sub>6</sub> is alkoxy; and R<sub>6</sub> is allyl.

*u*  
4.(Original) A compound according to Claim 1 wherein R<sub>2</sub> and R<sub>4</sub> are hydrogen and R<sub>1</sub> and R<sub>3</sub> are methyl; R<sub>1</sub>-R<sub>4</sub> are hydrogen.

5.(Currently Amended) A compound according to Claim 1 and selected from the group consisting of:

(1-Allylaminomethyl-cyclohexyl)-acetic acid;  
(1-Prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;  
{1-[(2,2,2-Trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;  
{1-[(3,3,3-Trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;  
1 $\alpha$ ,3 $\beta$ ,5 $\beta$ - (1-Allylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid;  
1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(3,5-Dimethyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;  
1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{3,5-Dimethyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl}-  
acetic acid;  
1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{3,5-Dimethyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl}-  
acetic acid;  
trans-((1R,3R)-1-Allylaminomethyl-3-methyl-cyclohexyl)-acetic acid;  
trans-((1R,3R)-3-Methyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;  
trans-((1R,3R)-3-Methyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl)-  
acetic acid;  
trans-((1R,3R)-3-Methyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl)-  
acetic acid;  
trans-((1R,3R)-3-Methyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl)-  
acetic acid;  
1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{3,5-Dimethyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl}-  
acetic acid;  
1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{1-[(Cyclopropylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-  
acetic acid;  
trans-((1R,3R)-1-[(Cyclopropylmethyl-amino)-methyl]-3-methyl-cyclohexyl)-  
acetic acid;  
trans-((1R,3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid;  
trans-((1R,3R)-1-Ethylaminomethyl-3-methyl-cyclohexyl)-acetic acid;  
trans-((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid;  
trans-((1R,3R)-1-Butylaminomethyl-3-methyl-cyclohexyl)-acetic acid;  
trans-((1R,3R)-1-Hydroxymethyl-3-methyl-cyclohexyl)-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{1-[(Hydroxymethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;

~~1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Aminomethyl-3,5-diethyl-cyclohexyl)-acetic acid, hydrochloride;~~

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Benzylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Dimethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Butylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{1-[(Benzyl-methyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(3,5-Dimethyl-1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -[1-(Acetylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -[1-(Isobutylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -[3,5-Dimethyl-1-(phenethylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{3,5-Dimethyl-1-[(3-phenyl-propylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(Cyclobutylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -[1-(Isopropylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

{1-[(2-Methyl-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(4,4,4-Trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

(1-Ethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[(Cyclopropylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

[1-(Isobutylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

(1-Propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

[1-(Isopropylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

(1-Cyclohexylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

[1-(Benzylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[Cyclopentylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric salt;

{1-[(Cyclohexylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric salt;

[1-(*tert*-Butoxycarbonylamino-methyl)-cyclohexyl]-acetic acid;

[1-(Acetyl-amino-methyl)-cyclohexyl]-acetic acid;

((3R, 5S)-1-Cyclobutylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{{(3R, 5S)-3,5-Dimethyl-1-[(2-methyl-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{{(3R, 5S)-1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

{{(3R, 5S)-1-[(2,2-Dimethoxy-ethylamino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

{{(3R, 5S)-1-[(Cyclopentylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

{{(3R,5S)-1-[(Cyclohexylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

((3R, 5S)-1-Cyclohexylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

((3R,5S)-1-Carboxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid;

*trans*-((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

*cis*-((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

(1-Dimethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

(1-Butylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[2,2-Dimethoxy-ethylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

(1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[(Benzyl-methyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

[1-(Phenethylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

{1-[(3-Phenyl-propylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid, sodium salt;

((3R, 5S)-1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

~~(1-Aminomethyl-4-ethyl-cyclohexyl)-acetic acid, hydrochloride salt;~~

~~(1-Aminomethyl-4-propyl-cyclohexyl)-acetic acid, hydrochloride salt;~~

((3R, 5S)-3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

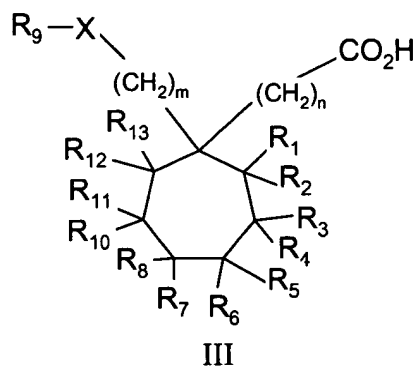
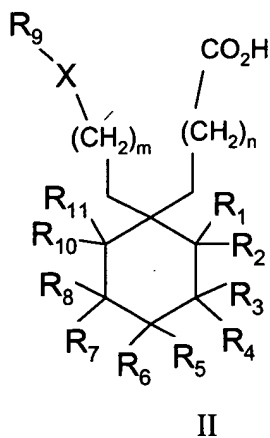
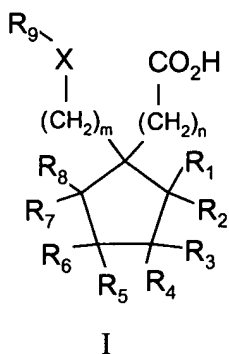
[(1R, 3R)-1-(Benzylamino-methyl)-3-methyl-cyclohexyl]-acetic acid, hydrochloride salt;

{{(1R, 3R)-1-[(Benzyl-methyl-amino)-methyl]-3-methyl-cyclohexyl}-acetic acid, hydrochloride salt;

or

((1R, 3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

6.(Original) A method for treating diabetic retinopathy comprising the step of administering a therapeutically effective amount of a compound of Formulas I, II, and/or III to a patient in need thereof



wherein:

$R_9$  is H; alkyl; cycloalkyl; substituted alkyl containing halogen, amine, alkoxy, cycloalkyl, or hydroxy; allyl; alkynyl; alkanoyl; alkoxyalkanoyl; sulfonyl; phenyl; benzyl; or arylalkyl;  
 $m$  and  $n$  are independently an integer of 1-3;

$R_1 - R_8$  and  $R_{10} - R_{14}$  are independently H, alkyl, or substituted alkyl; and  
 $X = NR_{14}$ , O, or S

where there is more than one stereoisomer, each chiral center may be independently R or S; or a pharmaceutically acceptable salt, ester, prodrug, or amide thereof.

7.(Original) The method of Claim 6 wherein m and n are 1; X is  $NR_{14}$ ;  $R_9$  is H;  $R_4$  is methyl;  $R_4$  and  $R_5$  are methyl;  $R_8$  is methyl;  $R_{10}$  is methyl;  $R_7$  and  $R_8$  are methyl;  $R_4$  and  $R_8$  are methyl;  $R_1 - R_8$  and  $R_{10} - R_{13}$  are H;  $R_9$  is alkyl;  $R_9$  is benzyl;  $R_{14}$  is alkyl;  $R_9$  is arylalkyl;  $R_9$  is cycloalkyl;  $R_1 - R_8$  are H;  $R_1 - R_8$  and  $R_{10} - R_{11}$  are H;  $R_1 - R_2$  and  $R_7 - R_8$  are H; or  $R_2$  is methyl.

8.(Original) The method of Claim 6 wherein  $R_3$  is alkyl,  $R_1 - R_2$  and  $R_4 - R_{11}$  and  $R_{14}$  are hydrogen, and m and n are 1, and X is  $NR_{14}$ ;  $R_3$  and  $R_{11}$  are alkyl,  $R_1 - R_2$  and  $R_4 - R_{10}$  and  $R_{14}$  are hydrogen, m and n are 1, and X is  $NR_{14}$ ;  $R_3$  and  $R_{11}$  are alkyl,  $R_1 - R_2$  and  $R_4 - R_{10}$  and  $R_{14}$  are hydrogen, m and n are 1,  $R_9$  is alkyl, and X is  $NR_{14}$ ; and  $R_1 - R_{11}$  and  $R_{14}$  are hydrogen, m and n are 1, and X is O.

9.(Original) The method of Claim 6 wherein the compound is selected from the group consisting of:

- (1-Allylaminomethyl-cyclohexyl)-acetic acid;
- (1-Prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;
- {1-[(2,2,2-Trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;
- {1-[(3,3,3-Trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;
- $1\alpha, 3\beta, 5\beta$ - (1-Allylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid;
- $1\alpha, 3\beta, 5\beta$ -(3,5-Dimethyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;
- $1\alpha, 3\beta, 5\beta$ -{3,5-Dimethyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;
- $1\alpha, 3\beta, 5\beta$ -{3,5-Dimethyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;
- trans-((1R,3R)-1-Allylaminomethyl-3-methyl-cyclohexyl)-acetic acid;
- trans-((1R,3R)-3-Methyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-3-Methyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl)-acetic acid;

trans-((1R,3R)-3-Methyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl)-acetic acid;

trans-((1R,3R)-3-Methyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl)-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{3,5-Dimethyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{1-[(Cyclopropylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;

trans-((1R,3R)-1-[(Cyclopropylmethyl-amino)-methyl]-3-methyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-1-Ethylaminomethyl-3-methyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-1-Butylaminomethyl-3-methyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-1-Hydroxymethyl-3-methyl-cyclohexyl)-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{1-[(Hydroxymethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Aminomethyl-3,5-diethyl-cyclohexyl)-acetic acid, hydrochloride;

trans-(1R,3R)-(1-Aminomethyl-3-methyl-cyclohexyl)-acetic acid, hydrochloride;

(1-Aminomethyl-2-methyl-cyclohexyl)-acetic acid, hydrochloride;

(1-Aminomethyl-3,3-dimethyl-cyclohexyl)-acetic acid, hydrochloride;

( $\pm$ )-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;

(cis/trans)-(3R)-(1-Aminomethyl-3-methyl-cyclopentyl)-acetic acid, hydrochloride;

(+)-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;

(+)-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;



1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Aminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Benzylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Dimethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Butylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{1-[(Benzyl-methyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic  
acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(3,5-Dimethyl-1-methylaminomethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -[1-(Acetyl-amino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-(Isobutylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -[3,5-Dimethyl-1-(phenethylamino-methyl)-cyclohexyl]-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{3,5-Dimethyl-1-[(3-phenyl-propylamino)-methyl]-cyclohexyl}-acetic  
acid, hydrochloride salt;

{1-[(Cyclobutylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride  
salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-(Isopropylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid,  
hydrochloride salt;

1-Aminomethyl-1-cyclohexane-acetic acid;

1-Aminomethyl-1-cyclopentane-acetic acid;

1-Aminomethyl-1-cyclopentane-acetic acid, sodium salt;

1-(hydroxymethyl)cyclohexane-acetic acid, sodium salt;  
{1-[(2-Methyl-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;  
{1-[(4,4,4-Trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;  
(1-Ethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;  
{1-[(Cyclopropylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;  
{1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;  
[1-(Isobutylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;  
(1-Propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;  
[1-(Isopropylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;  
(1-Cyclohexylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;  
[1-(Benzylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;  
((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;  
{1-[Cyclopentylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric salt;  
{1-[(Cyclohexylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric salt;  
[1-(*tert*-Butoxycarbonylamino-methyl)-cyclohexyl]-acetic acid;  
[1-(Acetyl-amino-methyl)-cyclohexyl]-acetic acid;  
((3R, 5S)-1-Cyclobutylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;  
{(3R, 5S)-3,5-Dimethyl-1-[(2-methyl-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;  
{(3R, 5S)-1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;  
{(3R, 5S)-1-[(2,2-Dimethoxy-ethylamino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

{(3R, 5S)-1-[(Cyclopentylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-  
acetic acid, hydrochloride salt;

{(3R,5S)-1-[(Cyclohexylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic  
acid, hydrochloride salt;

((3R, 5S)-1-Cyclohexylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

((3R,5S)-1-Carboxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid;

*trans*-((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

*cis*-((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

(1-Dimethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

(1-Butylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[2,2-Dimethoxy-ethylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride  
salt;

(1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[(Benzyl-methyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

[1-(Phenethylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

{1-[(3-Phenyl-propylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid, sodium salt;

((3R, 5S)-1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

(1-Aminomethyl-4-ethyl-cyclohexyl)-acetic acid, hydrochloric salt;

(1-Aminomethyl-4-propyl-cyclohexyl)-acetic acid, hydrochloric salt;

((3R, 5S)-3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

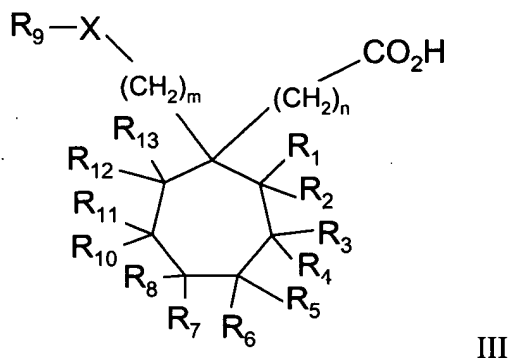
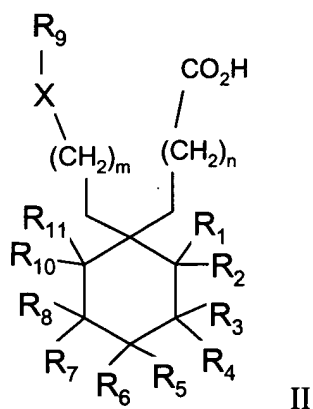
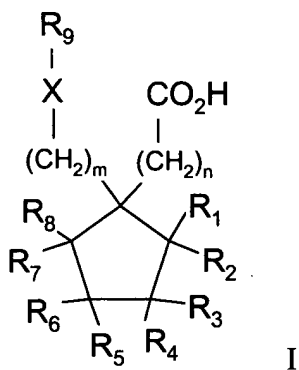
[(1R, 3R)-1-(Benzylamino-methyl)-3-methyl-cyclohexyl]-acetic acid,  
hydrochloride salt;

{(1R, 3R)-1-[(Benzyl-methyl-amino)-methyl]-3-methyl-cyclohexyl}-acetic acid,  
hydrochloride salt;

or

((1R, 3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

10.(Original) A method for inhibiting the branch chain amino acid-dependent aminotransferase in a patient in need thereof comprising the step of administering a therapeutically effective amount of a compound of Formulas I, II, and/or III



wherein:

R<sub>9</sub> is H; alkyl; cycloalkyl; substituted alkyl containing halogen, amine, alkoxy, cycloalkyl, or hydroxy; allyl; alkynyl; alkanoyl; alkoxyalkanoyl; sulfonyl; phenyl; benzyl; or arylalkyl;

m and n are independently an integer of 1-3;

R<sub>1</sub> - R<sub>8</sub> and R<sub>10</sub> - R<sub>14</sub> are independently H, alkyl, or substituted alkyl; and

X = NR<sub>14</sub>, O, or S

where there is more than one stereoisomer, each chiral center may be independent

R or S; or a pharmaceutically acceptable salt, ester, prodrug, or amide thereof

11.(Original) The method of Claim 10 wherein wherein m and n are 1; X is NR<sub>14</sub>; R<sub>9</sub> is H; R<sub>4</sub> is methyl; R<sub>4</sub> and R<sub>5</sub> are methyl; R<sub>8</sub> is methyl; R<sub>10</sub> is methyl; R<sub>7</sub> and R<sub>8</sub> are methyl; R<sub>4</sub> and R<sub>8</sub> are methyl; R<sub>1</sub>-R<sub>8</sub> and R<sub>10</sub>-R<sub>13</sub> are H; R<sub>9</sub> is alkyl; R<sub>9</sub> is benzyl; R<sub>14</sub> is alkyl; R<sub>9</sub> is arylalkyl; R<sub>9</sub> is cycloalkyl; R<sub>1</sub>-R<sub>8</sub> are H; R<sub>1</sub>-R<sub>8</sub> and R<sub>10</sub>-R<sub>11</sub> are H; R<sub>1</sub>-R<sub>2</sub> and R<sub>7</sub>-R<sub>8</sub> are H; or R<sub>2</sub> is methyl.

12.(Original) The method of Claim 10 wherein R<sub>3</sub> is alkyl, R<sub>1</sub>-R<sub>2</sub> and R<sub>4</sub>-R<sub>11</sub> and R<sub>14</sub> are hydrogen, and m and n are 1, and X is NR<sub>14</sub>; R<sub>3</sub> and R<sub>11</sub> are alkyl, R<sub>1</sub>-R<sub>2</sub> and R<sub>4</sub>-R<sub>10</sub> and R<sub>14</sub> are hydrogen, m and n are 1, and X is NR<sub>14</sub>; R<sub>3</sub> and R<sub>11</sub> are alkyl, R<sub>1</sub>-R<sub>2</sub> and R<sub>4</sub>-R<sub>10</sub> and R<sub>14</sub> are hydrogen, m and n are 1, R<sub>9</sub> is alkyl, and X is NR<sub>14</sub>; and R<sub>1</sub>-R<sub>11</sub> and R<sub>14</sub> are hydrogen, m and n are 1, and X is O.

13.(Original) The method of Claim 10 wherein the compound is selected from:

(1-Allylaminomethyl-cyclohexyl)-acetic acid;

(1-Prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;

{1-[(2,2,2-Trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;

{1-[(3,3,3-Trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ - (1-Allylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(3,5-Dimethyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{3,5-Dimethyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;

$1\alpha,3\beta,5\beta$ -{3,5-Dimethyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;  
 trans-((1R,3R)-1-Allylaminomethyl-3-methyl-cyclohexyl)-acetic acid;  
 trans-((1R,3R)-3-Methyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;  
 trans-((1R,3R)-3-Methyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl)-acetic acid;  
 trans-((1R,3R)-3-Methyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl)-acetic acid;  
 trans-((1R,3R)-3-Methyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl)-acetic acid;  
 $1\alpha,3\beta,5\beta$ -{3,5-Dimethyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid;  
 $1\alpha,3\beta,5\beta$ -{1-[(Cyclopropylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;  
 trans-((1R,3R)-1-[(Cyclopropylmethyl-amino)-methyl]-3-methyl-cyclohexyl)-acetic acid;  
 trans-((1R,3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid;  
 trans-((1R,3R)-1-Ethylaminomethyl-3-methyl-cyclohexyl)-acetic acid;  
 trans-((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid;  
 trans-((1R,3R)-1-Butylaminomethyl-3-methyl-cyclohexyl)-acetic acid;  
 trans-((1R,3R)-1-Hydroxymethyl-3-methyl-cyclohexyl)-acetic acid;  
 $1\alpha,3\beta,5\beta$ -{1-[(Hydroxymethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;  
 $1\alpha,3\beta,5\beta$ -(1-Aminomethyl-3,5-diethyl-cyclohexyl)-acetic acid, hydrochloride;  
 trans-(1R,3R)(1-Aminomethyl-3-methyl-cyclohexyl)-acetic acid, hydrochloride;  
 (1-Aminomethyl-2-methyl-cyclohexyl)-acetic acid, hydrochloride;  
 (1-Aminomethyl-3,3-dimethyl-cyclohexyl)-acetic acid, hydrochloride;  
 ( $\pm$ )-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;  
 (cis/trans)-(3R)-(1-Aminomethyl-3-methyl-cyclopentyl)-acetic acid, hydrochloride;

(+)-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;

(+)-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Aminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Benzylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Dimethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-Butylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{1-[(Benzyl-methyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic  
acid, hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(3,5-Dimethyl-1-methylaminomethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -[1-(Acetyl-amino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-(Isobutylamino-methyl)-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -[3,5-Dimethyl-1-(phenethylamino-methyl)-cyclohexyl]-acetic acid,  
hydrochloride salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -{3,5-Dimethyl-1-[(3-phenyl-propylamino)-methyl]-cyclohexyl}-acetic  
acid, hydrochloride salt;

{1-[(Cyclobutylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride  
salt;

1 $\alpha$ ,3 $\beta$ ,5 $\beta$ -(1-(Isopropylamino-methyl)-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;  
1-Aminomethyl-1-cyclohexane-acetic acid;  
1-Aminomethyl-1-cyclopentane-acetic acid;  
1-Aminomethyl-1-cyclopentane-acetic acid, sodium salt;  
1-(hydroxymethyl)cyclohexane-acetic acid, sodium salt;  
{1-[(2-Methyl-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;  
{1-[(4,4,4-Trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride  
salt;  
(1-Ethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;  
{1-[(Cyclopropylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride  
salt;  
{1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-cyclohexyl}-acetic acid,  
hydrochloride salt;  
[1-(Isobutylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;  
(1-Propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;  
[1-(Isopropylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;  
(1-Cyclohexylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;  
[1-(Benzylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;  
((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride  
salt;  
{1-[Cyclopentylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric  
salt;  
{1-[(Cyclohexylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric  
salt;  
[1-(*tert*-Butoxycarbonylamino-methyl)-cyclohexyl]-acetic acid;  
[1-(Acetylamino-methyl)-cyclohexyl]-acetic acid;  
((3R, 5S)-1-Cyclobutylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,  
hydrochloride salt;  
{(3R, 5S)-3,5-Dimethyl-1-[(2-methyl-butylamino)-methyl]-cyclohexyl}-acetic  
acid, hydrochloride salt;



$\{(3R, 5S)-1-[(2\text{-Hydroxy-1-methyl-ethylamino)-methyl}]-3,5\text{-dimethyl-cyclohexyl}\}$ -acetic acid, hydrochloride salt;

$\{(3R, 5S)-1-[(2,2\text{-Dimethoxy-ethylamino)-methyl}]-3,5\text{-dimethyl-cyclohexyl}\}$ -acetic acid, hydrochloride salt;

$\{(3R, 5S)-1-[(\text{Cyclopentylmethyl-amino})\text{-methyl}]-3,5\text{-dimethyl-cyclohexyl}\}$ -acetic acid, hydrochloride salt;

$\{(3R,5S)-1-[(\text{Cyclohexylmethyl-amino})\text{-methyl}]-3,5\text{-dimethyl-cyclohexyl}\}$ -acetic acid, hydrochloride salt;

$((3R, 5S)-1\text{-Cyclohexylaminomethyl-3,5-dimethyl-cyclohexyl})$ -acetic acid, hydrochloride salt;

$((3R,5S)-1\text{-Carboxymethyl-3,5-dimethyl-cyclohexyl})$ -acetic acid;

*trans*- $((3R, 5S)-1\text{-Hydroxymethyl-3,5-dimethyl-cyclohexyl})$ -acetic acid, hydrochloride salt;

*cis*- $((3R, 5S)-1\text{-Hydroxymethyl-3,5-dimethyl-cyclohexyl})$ -acetic acid, hydrochloride salt;

$(1\text{-Dimethylaminomethyl-cyclohexyl})$ -acetic acid, hydrochloride salt;

$(1\text{-Butylaminomethyl-cyclohexyl})$ -acetic acid, hydrochloride salt;

$\{1-[2,2\text{-Dimethoxy-ethylamino})\text{-methyl}]\text{-cyclohexyl}\}$ -acetic acid, hydrochloride salt;

$(1\text{-methylaminomethyl-cyclohexyl})$ -acetic acid, hydrochloride salt;

$\{1-[(\text{Benzyl-methyl-amino})\text{-methyl}]\text{-cyclohexyl}\}$ -acetic acid, hydrochloride salt;

$[1-(\text{Phenethylamino-methyl})\text{-cyclohexyl}]$ -acetic acid, hydrochloride salt;

$\{1-[(3\text{-Phenyl-propylamino})\text{-methyl}]\text{-cyclohexyl}\}$ -acetic acid, hydrochloride salt;

$((3R, 5S)-1\text{-Hydroxymethyl-3,5-dimethyl-cyclohexyl})$ -acetic acid, sodium salt;

$((3R, 5S)-1\text{-Ethylaminomethyl-3,5-dimethyl-cyclohexyl})$ -acetic acid, hydrochloride salt;

$(1\text{-Aminomethyl-4-ethyl-cyclohexyl})$ -acetic acid, hydrochloric salt;

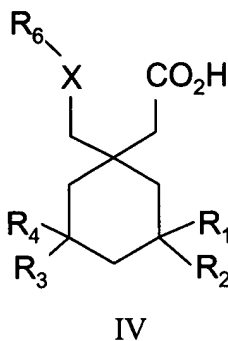
$(1\text{-Aminomethyl-4-propyl-cyclohexyl})$ -acetic acid, hydrochloric salt;

$((3R, 5S)-3,5\text{-Dimethyl-1-propylaminomethyl-cyclohexyl})$ -acetic acid, hydrochloride salt;

A  
con

[(1R, 3R)-1-(Benzylamino-methyl)-3-methyl-cyclohexyl]-acetic acid,  
 hydrochloride salt;  
 {(1R, 3R)-1-[(Benzyl-methyl-amino)-methyl]-3-methyl-cyclohexyl}-acetic acid,  
 hydrochloride salt;  
 or  
 ((1R, 3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride  
 salt;

14.(Currently Amended) A method for treating neurological disorders, depression,  
 anxiety, panic, mania, bipolar disorders, antiinflammatory diseases, glaucoma, pain or  
 gastrointestinal damage comprising the step of administering a therapeutically effective  
 amount of a compound of Formula IV to patient in need thereof.



R<sub>1</sub>-R<sub>4</sub> are hydrogen or alkyl;

X is NR<sub>5</sub> or O;

R<sub>5</sub> is hydrogen or alkyl,

R<sub>6</sub> is hydrogen, alkyl, benzyl, alkanoyl, alkoxyalkanoyl, arylalkyl, alkoxy, cycloalkyl,  
 alkyl, alkylcycloalkyl, alkoxy, cycloalkyl, alkylcycloalkyl, trisubstituted halogenalkyl,  
 and wherein R<sub>1</sub>-R<sub>4</sub> are each hydrogen the R<sub>6</sub> is not hydrogen or methyl; or a  
 pharmaceutically acceptable salt, ester, prodrug, or amide thereof, with the proviso that  
X-R<sub>6</sub> may not be NH<sub>2</sub>.